

IN THE CLAIMS

Please amend the claims as follows:

1. (CURRENTLY AMENDED) A hydrogen storage alloy comprising:

a first phase and a secondary phase dispersed throughout said

first phase;

said first phase comprising 10 to 40 atomic percent titanium, 0.5 to 80 atomic percent vanadium, and, 10 to 60 atomic percent chromium, and greater than 0 to 15 atomic percent manganese;

said secondary phase comprising one or more oxides, nitrides, carbides, oxycarbides, oxynitrides, carbonitrides, or oxycarbonitrides, wherein said one or more oxides, nitrides, carbides, oxycarbides, oxynitrides, carbonitrides, or oxycarbonitrides each include at least one metal selected from misch metal, magnesium, or calcium;

said hydrogen storage alloy, at temperatures of 40°C or less, ~~being adapted to reversibly store~~ storing at least 1.75 weight percent hydrogen and ~~desorb~~ desorbing at least 60% of the maximum hydrogen storage capacity.

2. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 1, wherein said alloy first phase further comprises one or more modifier elements selected from cobalt, iron, nickel, copper, ruthenium, rhenium, rhodium, copper, palladium, osmium, molybdenum, niobium, tungsten, platinum, iridium, and silver.

3. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 1, wherein said ~~hydrogen storage alloy~~ first phase comprises 0.5 to 4.5 atomic percent vanadium.

4. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 3, wherein said ~~hydrogen storage alloy~~ first phase further comprises molybdenum.

5. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 1, wherein said ~~hydrogen storage alloy~~ first phase comprises 61 to 80 atomic percent vanadium.

6. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 5, wherein said ~~hydrogen storage alloy~~ first phase further comprises iron.

7. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 5, wherein said ~~alloy~~ first phase further comprises palladium.

8. (CANCELED)

9. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim ~~8~~ 1, wherein said ~~hydrogen storage alloy~~ first phase

~~comprises 3.0 to 9.0 atomic percent manganese.~~

10. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 8 1, wherein said ~~hydrogen storage alloy~~ first phase further comprises iron.

11. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 10, wherein said ~~hydrogen storage alloy~~ first phase further comprises cobalt.

12. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 8 1, wherein said ~~hydrogen storage alloy~~ first phase further comprises ruthenium.

13. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 8 1, wherein said ~~hydrogen storage alloy~~ first phase further comprises cobalt.

14. (CANCELED)

15. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 1, wherein said hydrogen storage alloy ~~is adapted to~~ reversibly ~~store~~ stores at least 2.0 weight percent hydrogen at temperatures of 40°C or less.

~~16. (CURRENTLY AMENDED)~~ The hydrogen storage alloy according to claim 1, wherein said hydrogen storage alloy ~~is adapted to~~ reversibly ~~store~~ stores at least 2.3 weight percent hydrogen at temperatures of 40°C or less.

17. (CURRENTLY AMENDED). The hydrogen storage alloy according to claim 1, wherein said hydrogen storage alloy ~~is adapted to~~ ~~desorb~~ desorbs at least 65% of the hydrogen stored at the maximum hydrogen storage capacity at temperatures of 40°C or less.

18. (CURRENTLY AMENDED) The hydrogen storage alloy according to claim 1, wherein said hydrogen storage alloy ~~is adapted to~~ ~~desorb~~ desorbs at least 70% of the hydrogen stored at the maximum hydrogen storage capacity at temperatures of 40°C or less.

19 - 24. (CANCELED)